



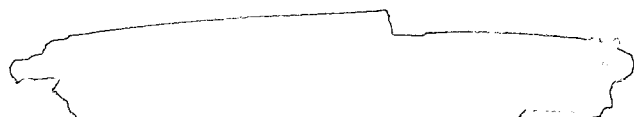
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PHOTOGRAPHIC INTELLIGENCE REPORT



STATUS OF NORTH VIETNAMESE RAILROADS



Declass Review by NIMA/DOD

REPORT NO. 8
CIA/PIR 75033

DATE SEPTEMBER 1966

GROUP 1
Excluded from automatic
downgrading and declassification

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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P R E F A C E

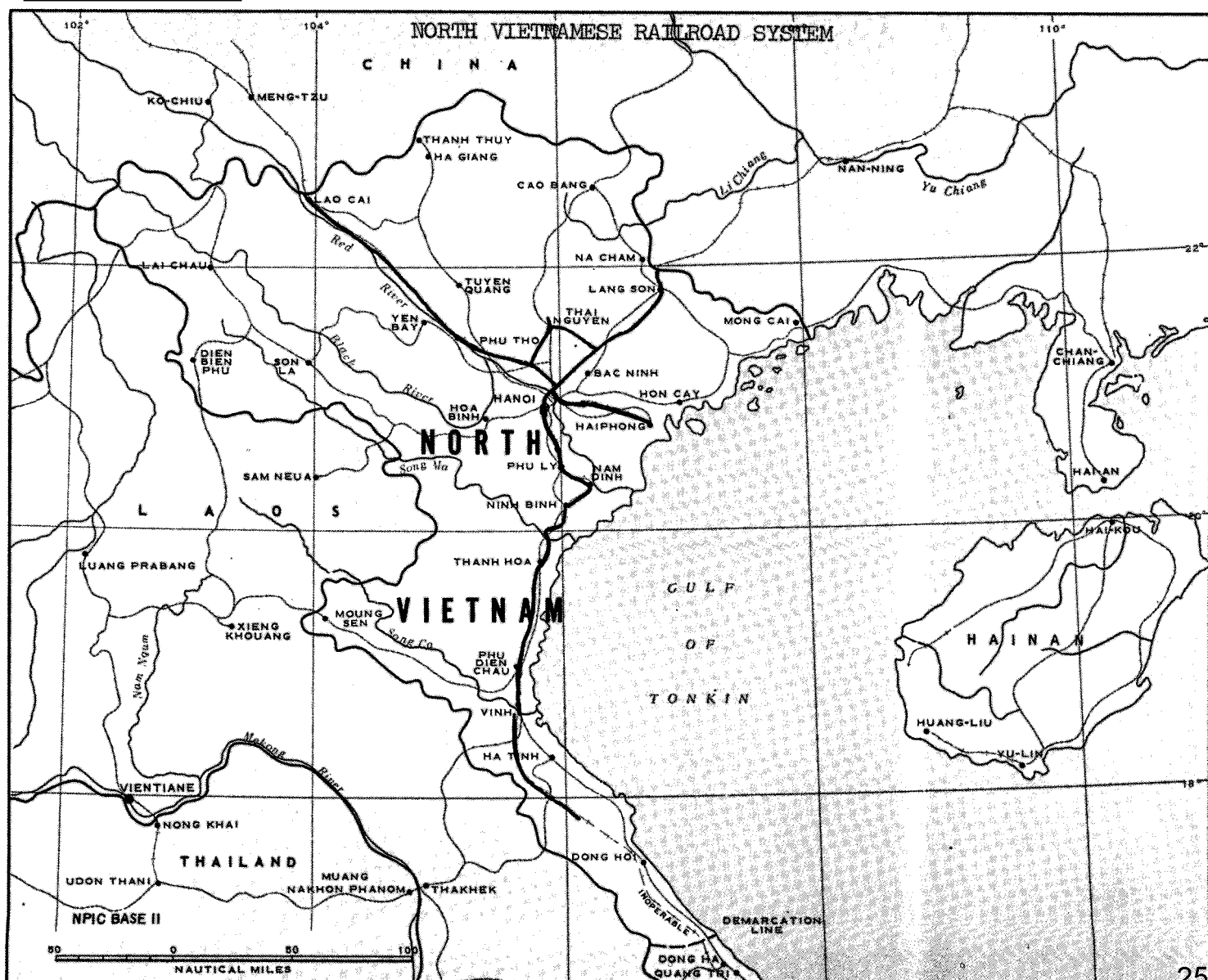
This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography during the period indicated on the cover.

The railroad system has been broken down into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure I). Annotated maps and photos are used to show the status of each line.

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FIGURE 1



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Approved For Release 2003/03/04 : CIA-RDP78T05161A001200010017-8

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SUMMARY

With the exception of the Thai Nguyen Line, all lines are closed to through traffic. Major interdictions are at Viet Tri, Dap Cau, and Hai Duong.

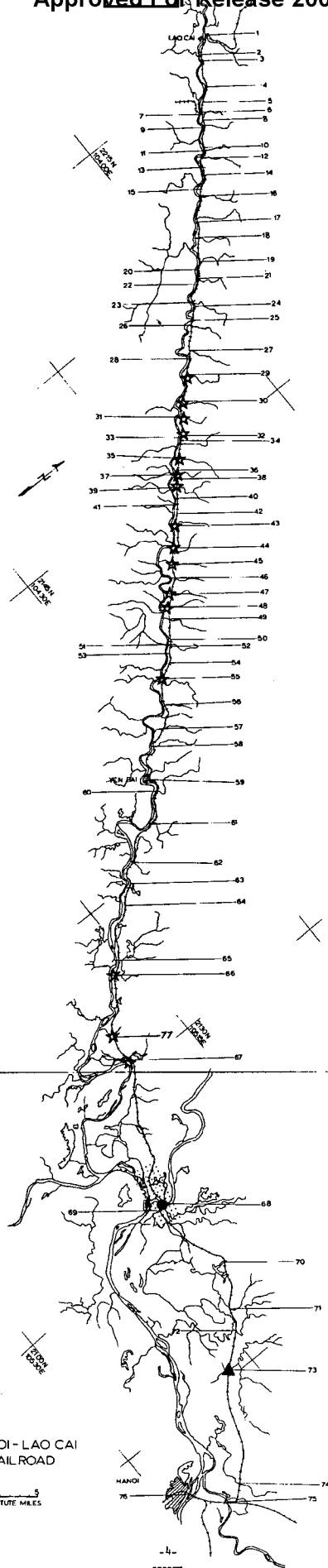
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Hanoi/Haiphong Line	23
Thai Nguyen Line	25

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KEY

All maps within this report have been based on the following sources:

- a. Main bridge located - main route.
- b. By-pass bridge or bridge overpass.
- c. Main bridge under construction.
- d. All bridges crossing the main route.
- e. By-pass bridge under construction.
- f. Original bridge has not been damaged or destroyed since its construction.
- g. Road closed by military, intelligence photography.
- h. Road closed. Route to the main route within the section for the main route.
- i. Intelligence developed only a few reporting points in the main route.
- j. Intelligence is shown in black.

Description of Bridges: (through 75) can be found in CAPPS 2000, August 1965.

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ITEM OF INTEREST NO. 1: Hanoi/Lao Cai Line

NAME : Viet Tri Railroad Ferry

BE :

COORDINATES : 21 17N - 105 26E, WJ 466550

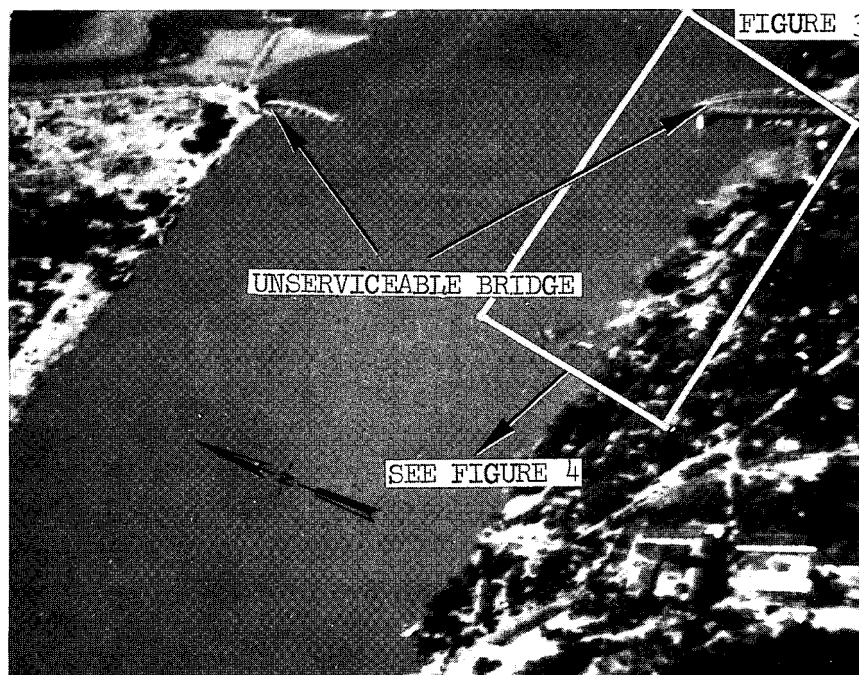
PHOTO REFERENCES : [REDACTED]

MAP REFERENCES : JOG (A) 1501, NF 48-11

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Photography [REDACTED] revealed a rail/highway ferry under construction to by-pass the unserviceable Viet Tri Railroad and Highway Bridge. A ferry slip is in the early stages of construction on the south bank of the River Claire, but there is no evidence of a slip on the north bank.

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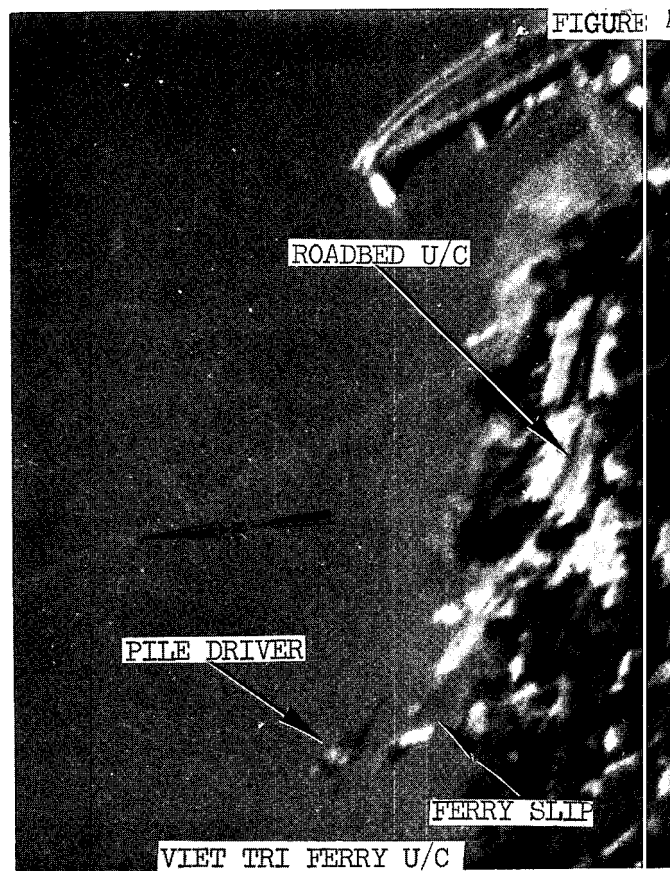
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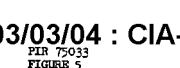
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All Wills within this report have been leged in the following manner:

- **state bridge timber** - run sawtimber
- **by type bridge or bridge sawtimber**
- **state bridge sawtimber**
- **All bridge crossing facilities sawtimber**
- **by type bridge under construction**

_____ bridge bridge has not been assigned or subjected based on available photographs

2. 1. **State of all the reported by available, interpretable photographs.**

_____ in interest. The following has been submitted after the section for further information.

All information assigned within the reporting period 1-1999-10-1999, other information is provided to meet.

Photography of bridge material / through 2000 to be used in the C.A.P.R. (2000)

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ITEM OF INTEREST NO. 1: Hanoi/Dong Dang Rail Line

NAME : Dap Cau RR. and Hwy. Bridge

BE :

COORDINATES : 21 12N - 106 05E, XJ 135450

PHOTO REFERENCES :

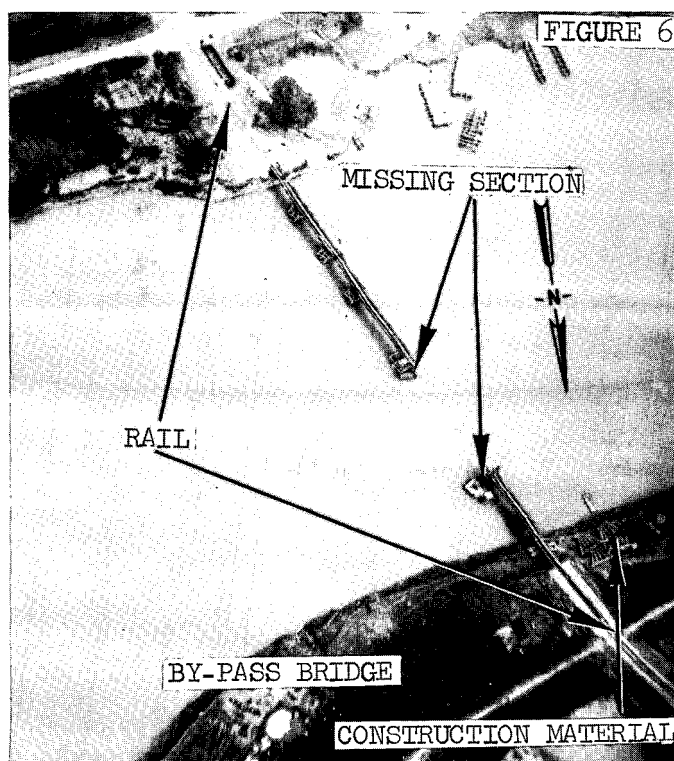
MAP REFERENCES : JOG (A) 1501, NF 48-11

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Photography [] reveals that the Dap Cau Railroad and Highway bridge remains unserviceable (Figure 7). A by-pass bridge north of the original bridge is in the final stages of construction with a 115 foot (approx.) section left to be constructed. Rails have been laid up to and on the completed sections of the by-pass bridge (Figure 6).

Figure 7 also reveals a rail-to-water transshipment point just east of the original bridge on the south bank of the Song Cau (River).

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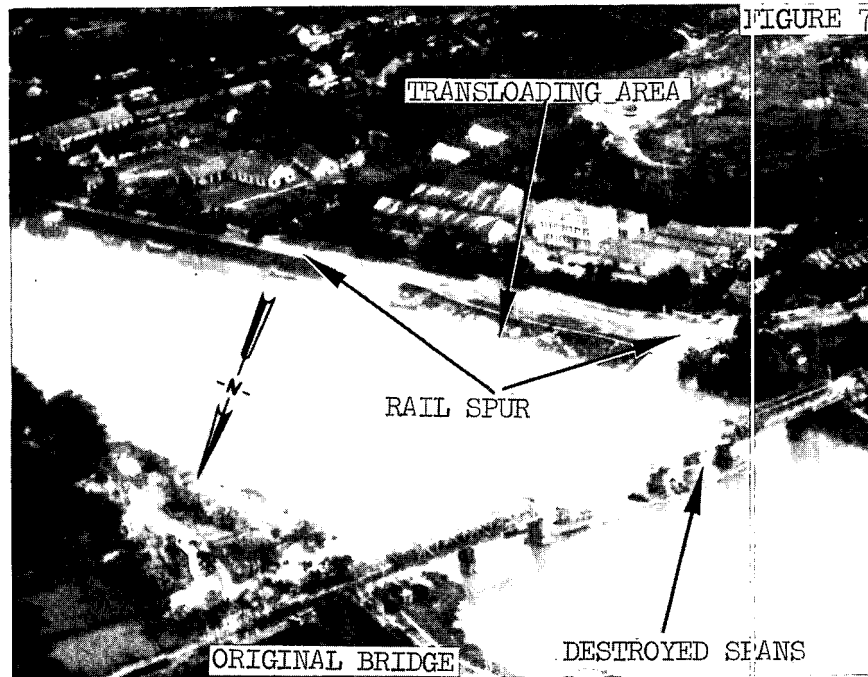
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ITEM OF INTEREST NO. 2: Hanoi/Dong Dang Line

NAME : Bac Giang Railroad and Highway Bridge

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: [REDACTED]

COORDINATES : 21 16N - 106 11E, XJ 234527

PHOTO REFERENCES

: [REDACTED]

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MAP REFERENCES : JOG (A) 1501, NF 48-11

Photography [REDACTED] revealed the Bac Giang Railroad and Highway Bridge repaired and serviceable. A large, active rail-to-water transshipment area was noted on the north bank of the Song Thuong (River) (Figure 9). A by-pass bridge is under construction approximately 1.2 nautical miles southeast of the original bridge (Figure 8).

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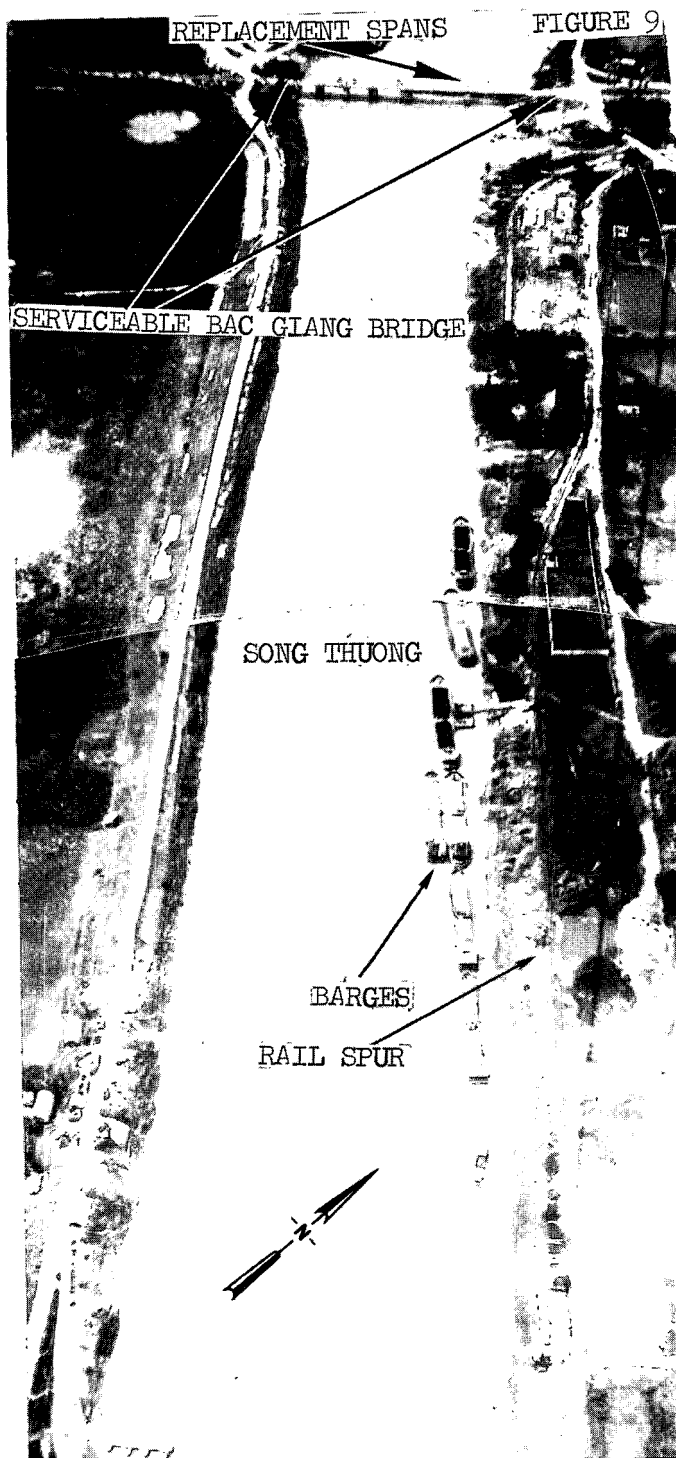
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ITEM OF INTEREST NO. 3: Hanoi/Dong Dang Rail Line

NAME : Dual Gauge Track

BE : NA

COORDINATES : 21 39N - 106 36E, XJ 652960

PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NF 48-12

DOCUMENTS : CIA/PIR 75026, Status of North Vietnamese Railroads, August 1966, (SECRET

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; NPIC/R-333/66, Southeast Asia Activity Report, August 1966, (CONFIDENTIAL,

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CIA Cable CITE CIA-P-160, DTG 042012Z (CONFIDENTIAL)

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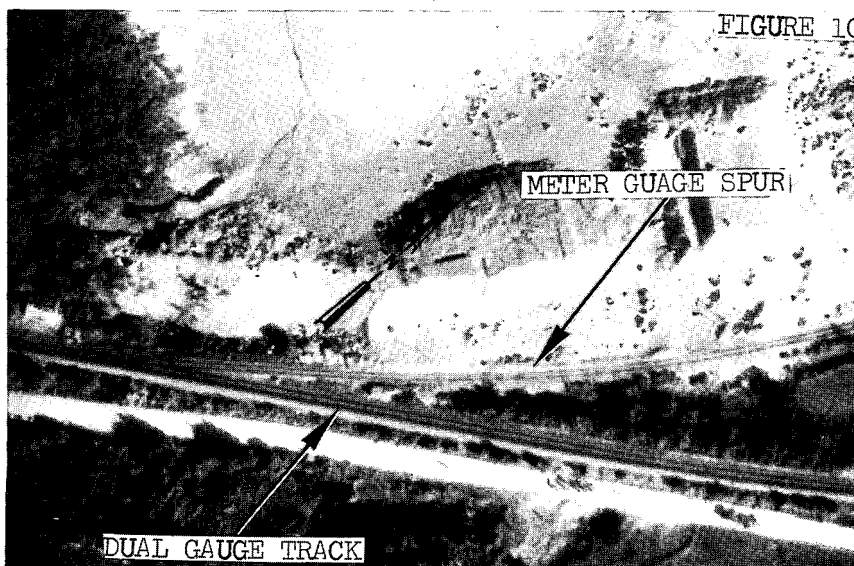
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Photography [] revealed the presence of dual gauge (i.e., meter and standard gauge) track at 21 39N - 106 36E, thus extending the photographically confirmed segment of converted track along the Hanoi-Dong Dang Rail Line. The presence of dual gauge track along this rail line has now been photographically confirmed from the new Kep Rail Yards at 21 24N - 106 17E northeastward to 21 39N - 106 36E, a distance of 25 nm.

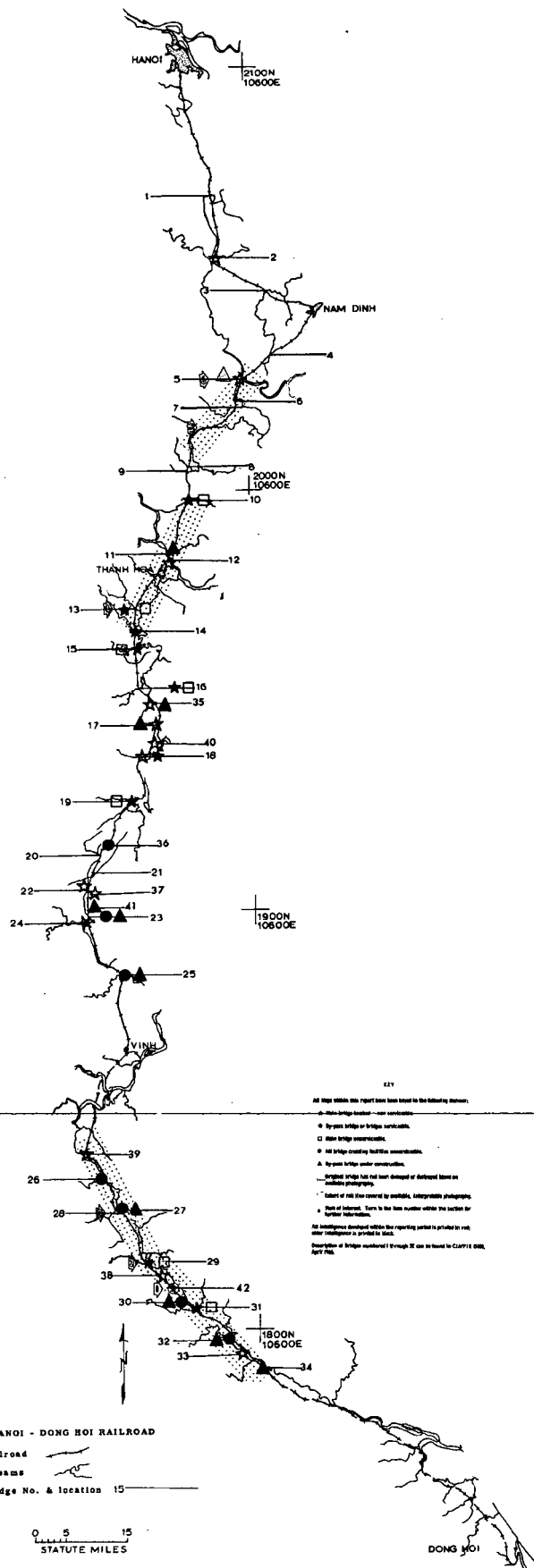
In addition, photography reveals that only standard gauge track has been laid on the Kep/Thai Nguyen Line under construction. This line now extends from its turnout from the Hanoi/Dong Dang Line at 21 25N - 106 18E westward to its new railhead at 21 27N - 106 13E, a distance of 6 nm.



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ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

NAME : Trai Tranh Xom RR. Bridge

BE : NA

COORDINATES : 18 05N - 105 48E, WE 852990

PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NE 48-7

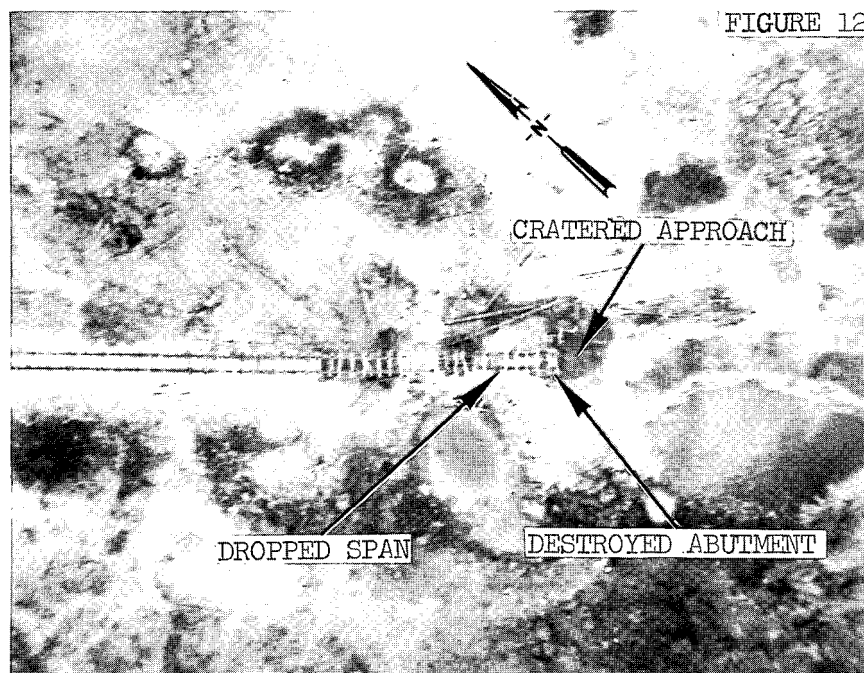
Photography [] revealed that the Trai Tranh Xom RR. Bridge is unserviceable. One approach is cratered and a [] span of the [] bridge has been dropped. One abutment has also been destroyed.

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ITEM OF INTEREST NO. 2: Hanoi/Dong Hoi Line

NAME : Dong Bai RR. By-pass Bridge

BE :

COORDINATES : 18 09N - 105 43E, WF 762082

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PHOTO REFERENCES :

MAP REFERENCES : AMS. L509, NE 48-7

Figure 13 is an artist's concept of the probable operation of the moveable deck beam section on the Dong Bai RR. By-pass Bridge. When the moveable section (Figure 13 - annotation 1, Figure 14) is pulled into place, it will cover the five uncompleted spans. The camouflage has been removed in the artist's concept for clarity. The probable beam supports of the moveable section will rest on the bearings (Figure 13 - annotation 2). The bridge has three cables (Figure 13 - annotation 3): the center cable is used to winch the section into place (Figure 13 - annotation 4), and the two outside cables, (Figure 14), are used as guides when the section is being moved. It has not been determined whether the moveable deck beam section is constantly moved back and forth by the cables for deception purposes or whether the section has been put in place permanently. The cable anchorages and winches were not seen clearly on photography and are not necessarily as presented in the artist's concept.

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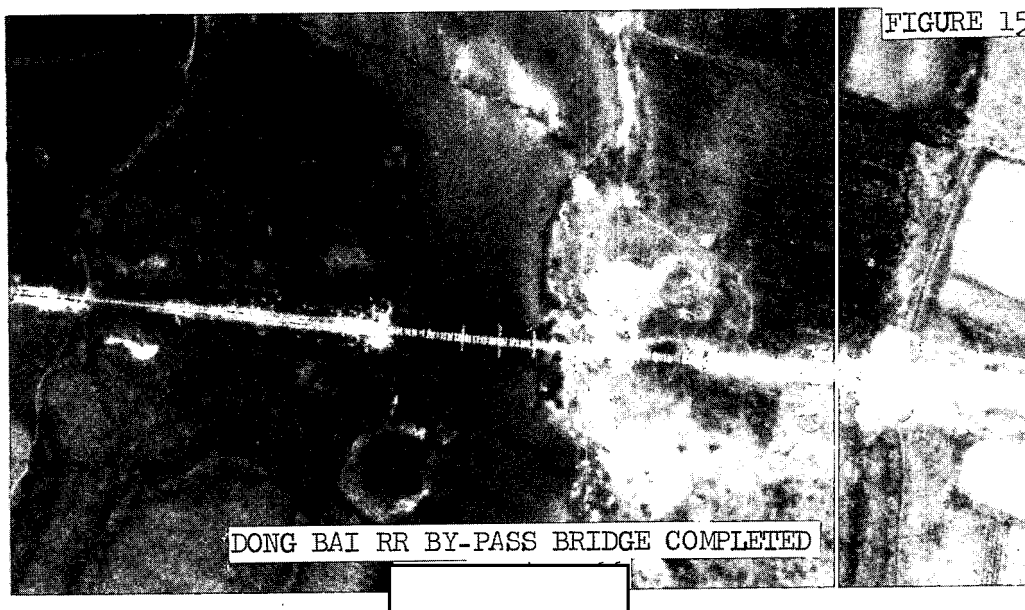
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ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME : Phong Dien Railroad Bridge over Rao No

BE :

COORDINATES : 18 17N - 105 39E, WF 680220

PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NE 48-7

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Photography [] revealed that all spans of the Phong Dien Railroad Bridge have been destroyed. Only the abutments of the bridge remain intact. A by-pass is under construction east of the main bridge and a rail spur extends further eastward from the by-pass location to a rail-to-water transshipment point.



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ITEM OF INTEREST NO. 4: Hanoi/Dong Hoi Rail Line

NAME : Thien Linh Dong Railroad Bridge

BE :

COORDINATES : 19 44N - 105 43E, XG 817746

PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NE 48-3

Photography [] revealed that the Thien Linh Dong Railroad Bridge had been bombed and was unserviceable.

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ITEM OF INTEREST NO. 5: Hanoi/Dong Hoi Rail Line

NAME : Damaged Train

BE : NA

COORDINATES : 20 08N - 105 53E, WH 930276

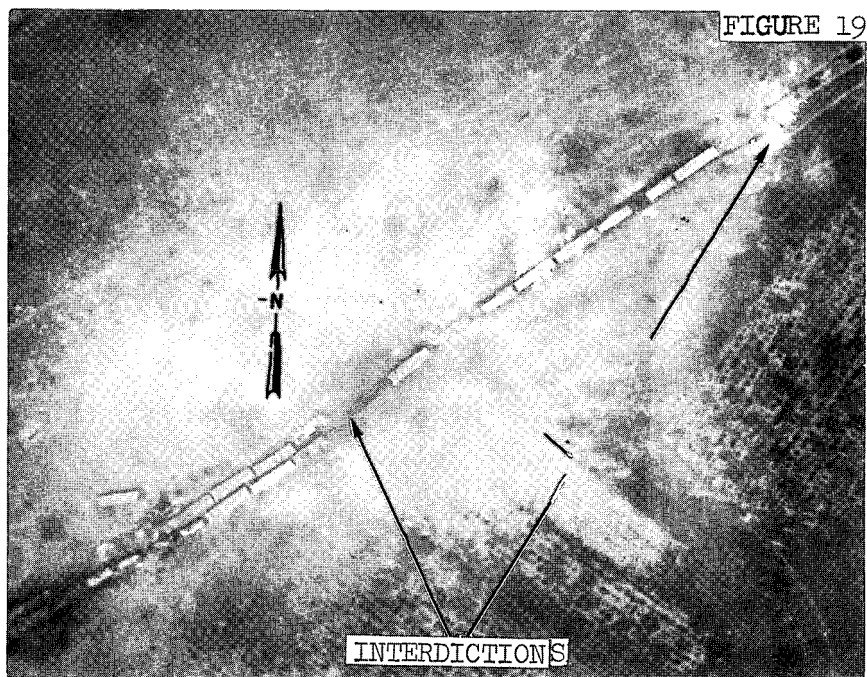
PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NF 48-15

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Photography [] revealed that a train had been bombed at 20 08N - 105 53E. Approximately 12 cars are destroyed and/or damaged and the rail line at this point has been interdicted at two points.

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ITEM OF INTEREST NO. 6: Hanoi/Dong Hoi Rail Line

NAME : Ninh Binh Railroad By-pass Bridge

BE : NA

COORDINATES : 20 15N - 105 59E, XH 030405

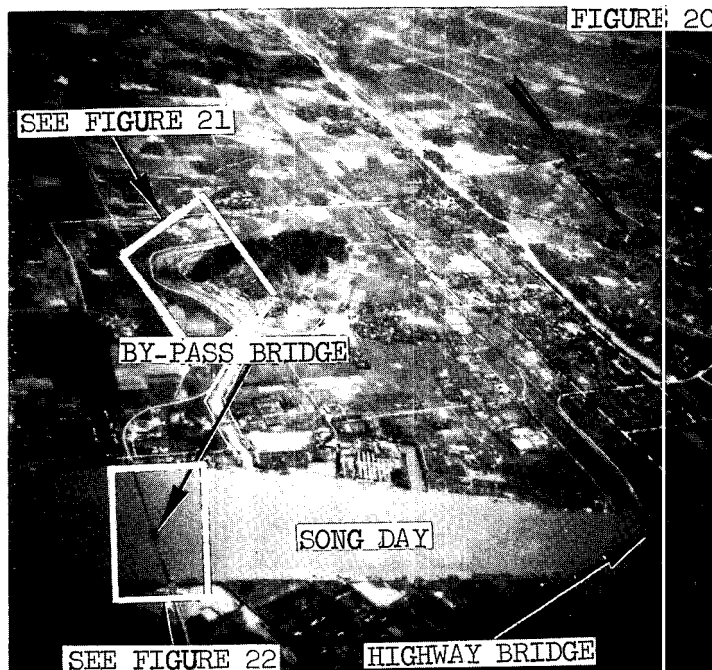
PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NF 48-15

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Photography [] revealed that a by-pass bridge was under construction at Ninh Binh. When complete, the bridge will include a lift-span to allow the passage of river traffic. Rails have been laid up to and on the bridge on both sides of the river and several pieces of rolling stock were located south of the new bridge on the by-pass rail spur.

The original Ninh Binh Railroad and Highway Bridge remains serviceable.



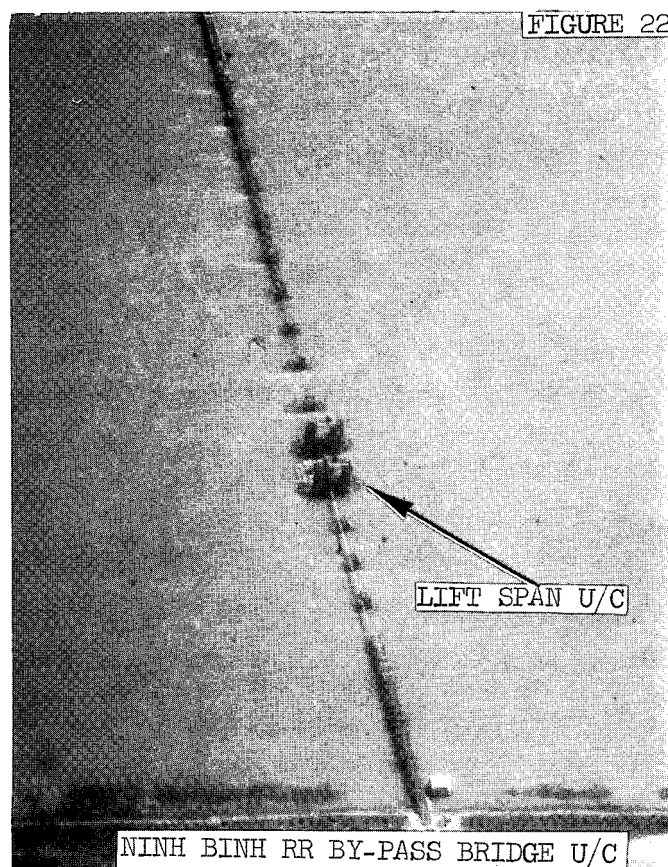
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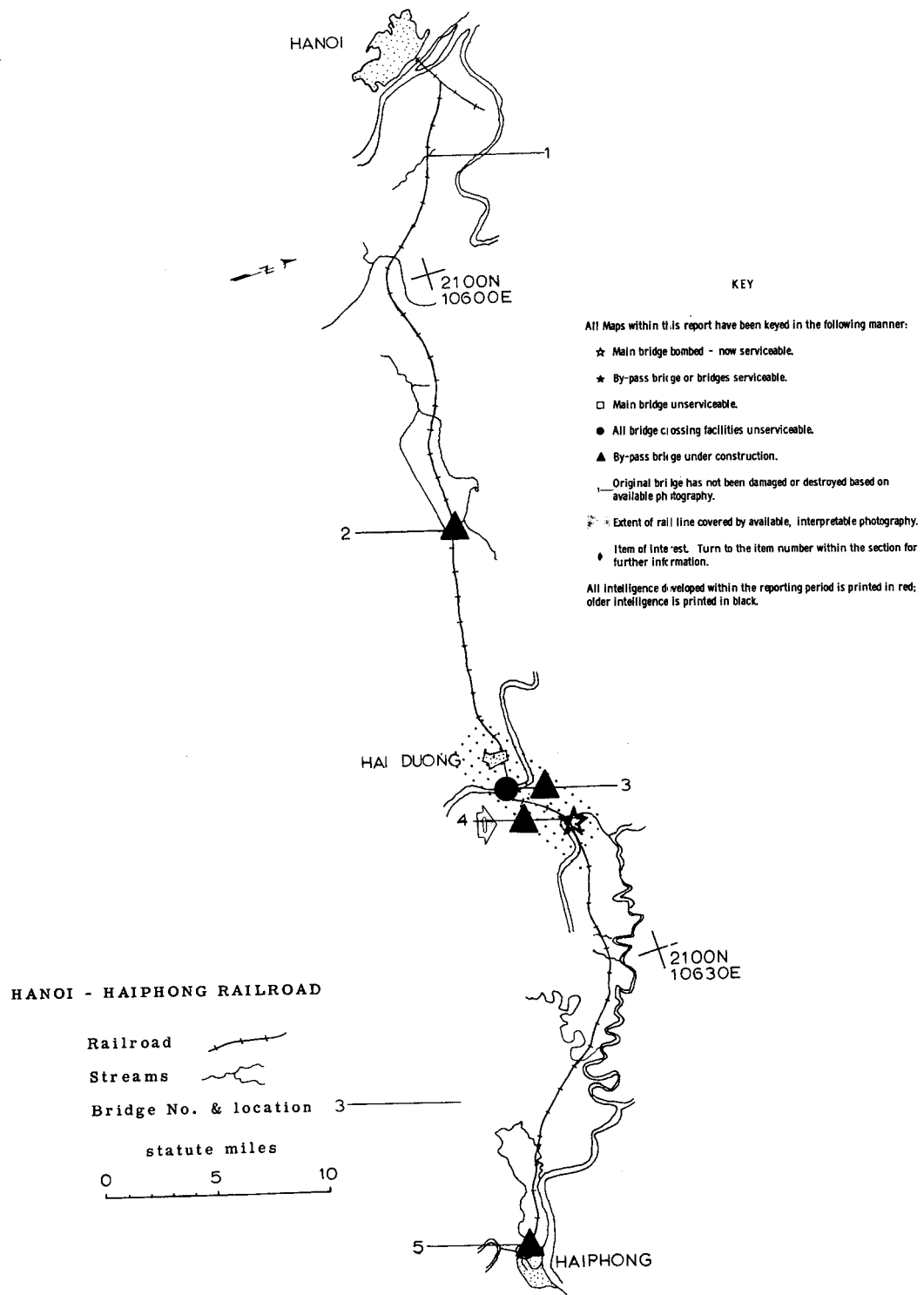
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FIGURE 23



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ITEM OF INTEREST NO. 1: Hanoi/Haiphong Line

NAME : Hai Duong Railroad and Highway Bridge E

BE : NA

COORDINATES : 20 58N - 106 24E, XJ 446195

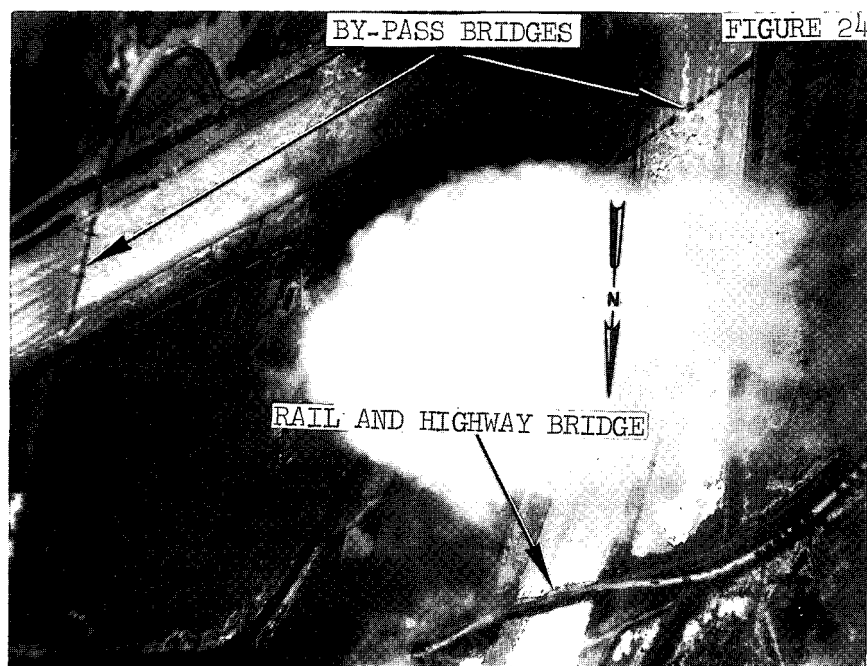
PHOTO REFERENCES :

MAP REFERENCES : JOG (A) 1501, NE 48-15

Photography [] revealed that the Hai Duong Railroad and Highway Bridge was serviceable. Two by-pass bridges are under construction to the south.

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FIGURE 25

KEY

All Maps within this report have been keyed in the following manner:

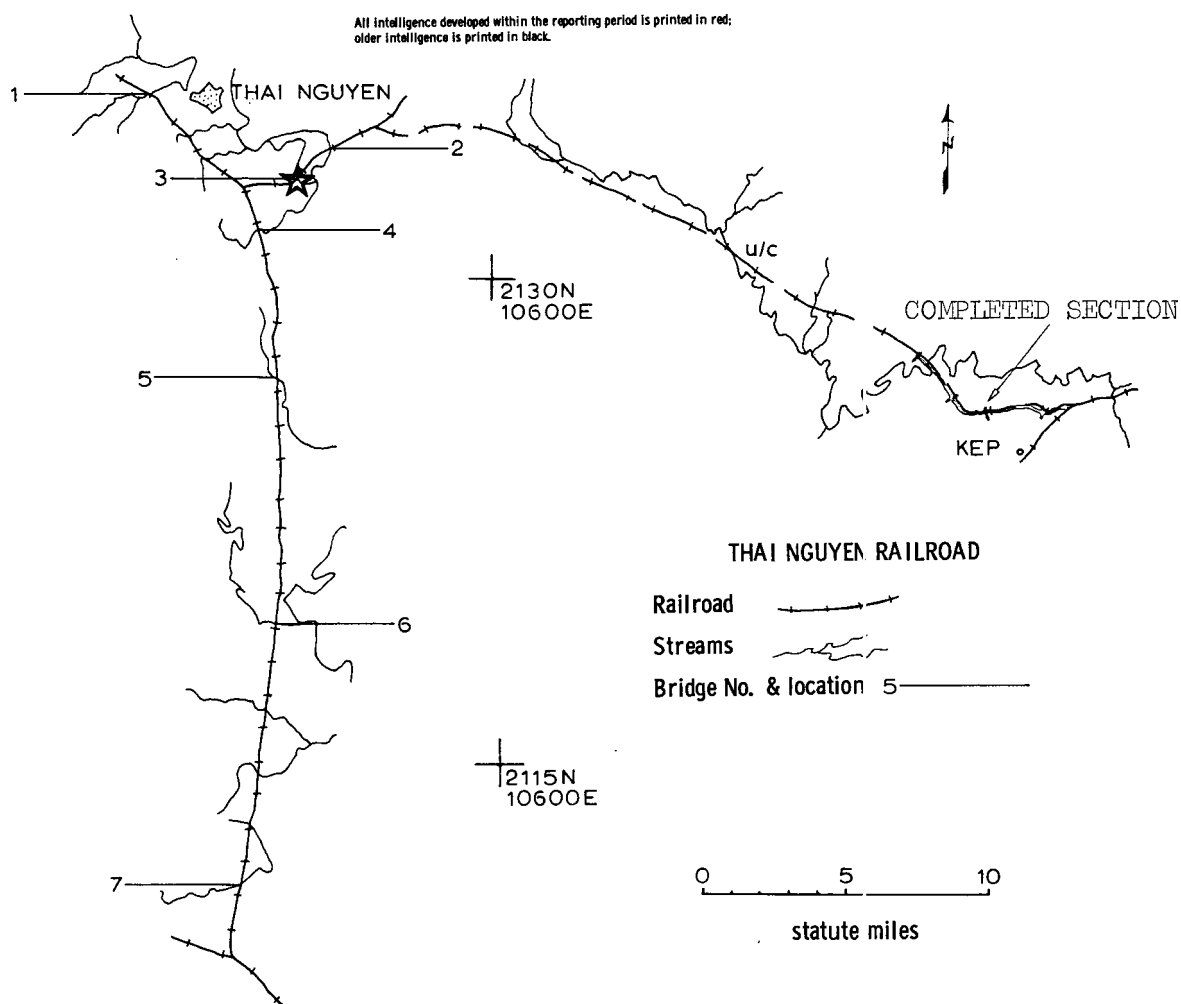
- ☆ Main bridge bombed - now serviceable.
- ★ By-pass bridge or bridges serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.

— Original bridge has not been damaged or destroyed based on available photography.

— Extent of rail line covered by available, interpretable photography.

♦ Item of interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.



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